

THE OVERRUN.

Calculating Payments For the Patrons of Creameries.

One patron brings milk to the creamery, where it is tested and separated. He then takes away the skim milk containing a certain amount of butter fat which it is impossible to remove by the separator. Nevertheless he is credited with the whole amount of butter fat in the whole milk, although he carries away in the skim milk probably 3 per cent of what he brings. Another patron brings cream to the creamery, where the amount of butter fat it contains is also determined. In this case the patron receives no skim milk and hence takes no butter fat. It is all used by the creamery.

In a recent bulletin of the Vermont station J. L. Hills, discussing this subject, says that butter weighs considerably more than the butter fat in the milk or cream from which it is made. The difference, known as the surplus or overrun, is greater in creameries receiving only cream from patrons than in creameries receiving only milk. According to Professor Hills, "a great deal of careful comparison has shown that in the long run the excess of surplus arising from the making of butter from the average gathered hand separated cream as compared with the manufacture of butter from average delivered milk approximates 3 per cent. One method of calculating payments given on the Vermont bulletin is based upon the division of the surplus so that the cream patron shall receive 3 per cent more than the milk patron. It is advised that each creamery establish its own factor by periodical test churning and use that in preference to the 3 per cent factor, which represents an average.

Silos and Clover.

Whether it is advisable to put clover into the silo is by no means a settled question, says Hoard's Dairyman. There are dairymen who have had splendid success in silos of clover and recommend this method of preserving at least a portion of the clover crop. On the other hand, some dairymen, on account of the strong odor that clover silage possesses, object to the system of preserving clover. Silage made from clover is certainly a splendid feed for cattle, and we would not hesitate to put a part of our clover crop into the silo if we could not raise corn. In

climates where there is likely to be considerable rain when the first crop is cut the silo seems to offer one of the best ways for preserving the first cutting of clover.

Swelling Cream.

When the cream swells in the churn and revolves with it without dropping from one side to the other the cream has become extremely viscous from either stripper cows or dry feed or from both these causes. Throwing a handful of salt into this cream in the churn or a pailful of warm water will overcome this viscosity so that the cream may be churned. Professor Farrington in Hoard's Dairyman.

Milk and Butter Notes

When milk is separated at the farm immediately after milking the cleanest and sweetest cream possible ought to be obtained. It certainly should be better than that skimmed by a factory separator from milk which is two to twenty hours old.

Keep the Profit Yourself.

If you make butter to sell make good butter. Don't let the renovating factories get the profits which belong to you.

Warm the Separator.

In operating the separator in weather when the bowl and parts are cold, it is best to pour a quart or so of hot water through the machine just as it is started. This will warm up the machine and prevent the milk sticking, as it would if cold.

Order Is the First Law.

Many dairymen always keep the same cow in the same stall, have the same milker milk the same cow each time and milk the cows in the same order.

Usual Causes of Poor Butter.

Farrington of Wisconsin finds that the usual causes of defective butter from gathered cream are keeping the cream in unsuitable places and holding it too long before delivery at the creamery.

Skim After Each Milking.

Skim the milk immediately after each milking, as it is more work to save the milk and separate once a day and less satisfactory than skimming while the milk is warm, since the milk must be heated again when saved until another milking.

Satisfaction in Rich Cream.

A rich cream testing 35 per cent fat or more is the most satisfactory to both farmer and factory. The best separators will skim a rich cream as efficiently as a thin cream, and more skim milk is left on the farm when a rich cream is sold.

Poor Mixing.

Warm cream should never be mixed with cold. The result of mixing is always quick souring. The bacteria in cold cream are dormant or inactive and will remain so if kept chilled.

Bacteria Keep Busy.

To cool the cream quickly and thoroughly just as soon as the separating is finished is of more importance than anything else at that particular time. The pigs and calves can wait for their skim milk, but bacteria in the cream wait for nothing, until the temperature favorable to their growth is reduced.

Butter Sticking to Utensils.

The stickiness of butter utensils made of wood may be avoided by washing well in very hot, clear water and scouring well with salt, says a Rural New Yorker correspondent.

Association of Ideas.

William was two and a half years old when a Mrs. Lord gave him a tiny glass chicken.

Six months later his mother asked him who gave him the chicken. The baby replied he did not know. "Yes, William," she said, "you can remember."

He shook his head a minute, then repeated hurriedly: "Now I lay me down to sleep, I pray the Lord give it to me!"—Lippincott's Magazine.

A Domine Who Failed To Follow the Rule

A GOOD story is told of a young clergyman in the suburbs who was recently married and who was properly punished for trying to make a "front" before his bride.

It is a well known rule among clergymen not to take a fee from a fellow domine for marrying him. The general custom is, however, for the best man to go through the usual form and present the officiating clergyman with an envelope containing the fee. The minister then pays a graceful compliment to the bride and presents the envelope to her. Aware of this custom, the young minister thought he would make a big showing before his bride and placed \$100 in the envelope, smiling in anticipation of her surprise when she should open it and see what her lover was willing to pay for being united to her.

The young man's consternation can be imagined when the other clergyman calmly pocketed the envelope and made no movement to return it. The officiating minister had heard glowing reports of the rich bride his young friend was getting and decided that the fee would do him more good than the newly married couple and therefore far once de-

parted from the usual rule. The bridegroom is still sore about the \$100, but the joke was too good for the best man to keep to himself.—Philadelphia Record.

A Flattering Testimonial.

A very eminent London surgeon, one of the lights of the profession, one day observed a gentleman knocked down by a runaway horse. He went to his aid and found he had broken his leg. It was only a simple fracture, but the man was badly hurt.

The surgeon used his umbrella as a splint and with his own hands borrowed handkerchiefs, bandaged the limb tightly, put the patient in a cab and drove to the nearest hospital. There they were received by a young medical student.

"You've bandaged this pretty well," said the youth patronizingly.

"Not at all," said the other.

"I suppose you have been attending some ambulance class. They say a little learning is a dangerous thing, but the little you've learned you've put to good account. I can't give you your umbrella now, but if you leave your address it shall be sent to your house."

"I had better give you my card," said the eminent surgeon, and he did so.—Pearson's Weekly.

Revenge.

An old man leaving work got into a car. He had not gone far before the conductor asked him for twopence. The man said it was a penny for the distance he was going. The conductor said sharply to him, "Shut up and pay twopence." So he paid it.

The next morning the conductor received a letter without a stamp, which was surcharged as usual. When he opened it he was surprised to see written on paper, "Shut up and pay twopence."—London Tit Bits.

Altered.

Mayor Dunne of Chicago is not without witty moments between worries over traction matters and an incompetent police force. He recently visited a strange barber shop, where the barber, failing to recognize him, was very talkative.

"Have you ever been here before?" he asked.

"Once," said the mayor.

"Strange I don't recall your face," said the barber.

"Not at all," replied the mayor. "It altered greatly as it healed."—Judge.

Cures Coughs and Colds

Mrs. C. Peterson, 625 Lake St., Topeka, Kans., says "Of all cough remedies Ballard's Horehound Syrup is my favorite; it has done and will do all that is claim-

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I hope you're not using cosmetics on your face:

Oh, Charlie, this is a great injustice to me,

I'm simply using Rocky Mountain Tea. (Cards out.)

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